## INTERNATIONAL SEARCH REPORT

en application No. PCT/JP03/07071

	SIFICATION OF SUBJECT MATTER C1 C12N15/09, C12N5/16, C07K1	16/08, A01K67/027					
According to International Patent Classification (IPC) or to both national classification and IPC							
B. FIELDS SEARCHED							
Minimum documentation searched (classification system followed by classification symbols)  Int.Cl <sup>7</sup> C12N15/09, C12N5/16, C07K16/08, A01K67/027							
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched							
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) BIOSIS/WPIDS/MEDLINE(STN), JSTPlus(STN)							
C. DOCUMENTS CONSIDERED TO BE RELEVANT							
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.				
X A	Satoi J. et al., Genetic immunization of wild- type and hepatitis C virus transgenic mice reveals a hierarchy of cellular immune response and tolerance induction against hepatitis C virus structural proteins., J.Virol., (2001), Vol.75, No.24, pages 12121 to 12127						
X A	Blissard GW. et al., Location criptional mapping, and temporate glycoprotein pseudotsugata multicapsid nucleus., Virology., (1989), Vo. 537 to 555	12-18 1-11,19					
× Furth	er documents are listed in the continuation of Box C.	See patent family annex.					
* Special categories of cited documents:  document defining the general state of the art which is not considered to be of particular relevance  "E" earlier document but published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such					
means  "P" document published prior to the international filing date but later  "But document published prior to the international filing date but later "&" document member of the same patent family than the priority date claimed							
Date of the	actual completion of the international search (uly, 2003 (08.07.03)	Date of mailing of the international search report 22 July, 2003 (22.07.03)					
	nailing address of the ISA/ nese Patent Office	Authorized officer					
Facsimile No.		Telephone No.					

## INTERNA NAL SEARCH REPORT

Category*	Citation of document, with indication, where appropriate, of the relevant passages			Relevant to claim No.	
A	Liang R. et al., cotransporter. Cl and chromosomal 1 (1995), Vol.270,	oning, funct ocalization.	ional expr	ession,	1-19
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Form PCT/ISA/210 (continuation of second sheet) (July 1998)

## INTERNATIONAL SEARCH REPORT

Box I Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)				
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:				
1. Claims Nos.:				
because they relate to subject matter not required to be searched by this Authority, namely:				
2. Claims Nos.:				
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:				
3. Claims Nos.:				
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).				
, and an a solution of the contract of the con				
Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet)				
This International Searching Authority found multiple inventions in this international application, as follows:  The matter common to claims 1 to 19 resides in a transgenic nonhuman animal having a gene encoding a virus-origin membrane protein transferred therein. However, a transgenic mouse having a gene encoding a virus-origin membrane protein transferred therein was already publicly known on the priority date of the present case (Satoi J., et al., J. Virol. (2001), Vol.75, No.24, p.12121-12127). Therefore, this common matter falls within the category of prior art and thus cannot be considered as a special technical matter in the meaning as described in PCT Rule 13.2.				
1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.				
2. X As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.				
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:				
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is				
restricted to the invention first mentioned in the claims; it is covered by claims Nos.:				
Remark on Protest The additional search fees were accompanied by the applicant's protest.				
No protest accompanied the payment of additional search fees.				
Process accompanied the payment of additional search fees.				